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Applicant : Xinnian Dong *et al.* Art Unit : 1638
Serial No. : 08/908,884 Examiner : A. Nelson
Filed : August 8, 1997 Customer No.: 21559
Title : ACQUIRED RESISTANCE GENES AND USES THEREOF

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Assistant Commissioner of Patents and Trademarks
Washington, DC 20231

REPLY TO EXAMINER'S ACTION

In reply to the Examiner's Action mailed August 8, 2000, Applicants submit the following remarks.

REMARKS

In general, applicants' invention features a novel gene family, the members of which encode regulators that control the onset of acquired resistance pathogen defense responses. The invention is based, in part, on applicants' discovery of a gene encoding a novel protein containing ankyrin repeats, as well as their finding that the transformation of the cloned gene into plants confers broad-spectrum disease resistance. Importantly, the invention provides for the genetic engineering of long-lasting, broad-spectrum resistance in crops.